

US EPA ARCHIVE DOCUMENT

Meeting Ground Rules

- Be courteous and silence/put away your electronic devices.
- Adhere to meeting agenda
- One conversation at a time
- Hold all questions until the speaker has finished with the presentation

Situation Report

April 3, 2012

Science Group Status

Data Collection	Data Compilation	Submittal
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Submerged Oil Science Group

Reassessment

Spring 2012 Sub Oil Reassessment	E			Temperature dependent, Morrow Lake, Confluence to Saylor's
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Hydrodynamic Assessment & Modeling

Preliminary and baseline model scenarios			2/24	
Develop Scenarios / Various Simulations			3/23	
Completion of Simulations			3/23	100 year flood data tables and figures to submit
Sensitivity Testing	E		(4/6)	
Run Modified Scenarios	E		(4/6)	

Temperature Effects Study

Sediment sample location selection and collection			12/19	
Conduct temperature study			1/11	
Compile, evaluate, and present results		E	(3/30)	Rec'd comments on 3/19/12 - ENB addressing comments

Submerged Oil Quantification

Fall 2011		E		
Spring 2012 (pre-recovery)	E			
Fall 2012 (post-recovery)	E			

• denotes status updates since the last report

E Enbridge

Complete or N/A

() Denotes Due Date

Science Group Status

Data Collection	Data Compilation	Submittal
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Overbank Science Group

Reassessment

Spring 2012 Shoreline and Overbank Reassessment	E			
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Containment Science Group

Evaluate placement of containment

Hec-Ras Modeling	12/5	1/9	1/26	
Hydraulic Calculations	1/10	1/23	1/26	
2D Hydrodynamic Model		2/13	E	100 year flood 3/23
Monitoring and Management Plan	1/24	1/25	2/27	

Implementation of passive sediment collection devices

Location selection				
Design review				
Installation			E	
Post-installation review				
Design adjustments				

- denotes status updates since the last report

E Enbridge

Complete or N/A

() Denotes Due Date

Remediation Progress

Location

SCIENCE					COMPLIANCE				RECOVERY	MONITORING
RI Work Plan	Plan Review	Investigation	Data Compilation	Presentation to OSCAR	Remediation Work Plan	Remed. Plan Review	Permit Application	Permit Review	Execution	Completion Check

Comments

Overbank

OB 14.98 I
OB 5.92 RDB
OB 13.40 LDB
OB 8.97 I
OB 9.10 LDB
OB 10.37 RDB

	10/17	10/15	9/28	10/10	11/18	E
	12/1	12/8	11/4	12/1	1/25	E
	12/22	2/7	12/21	2/9	2/23	E
12/15	2/17	2/24	1/25	2/24	3/23	E
1/5	2/17	2/24	1/25	2/24	3/16	E
1/12	2/17	2/24	1/25	2/24	3/22	E

Submerged Oil

Walling Structure
Suboil Toolbox


			3/16	3/27		
	E		E			

Containment

Submerged Structures I(6)
Submerged Structures II(12)
Control Points (3)
OB 8.48 LDB
SO 11.21
OB 11.79 LDB
SO 26.25

	1/27	A	E			
	2/27	A	E			
			3/21	3/23	E	
	E		E			
	E		E			
	E		E			
	E		E			

- denotes sites with status updates since the last report

 Enbridge / In development

 In Agency Review

 Denotes Due Date

 Complete or N/A

 Revisit Previous Phase



OB 8.48 LDB 3/29



SO 11.21 3/29



OB 11.79 LDB 3/29



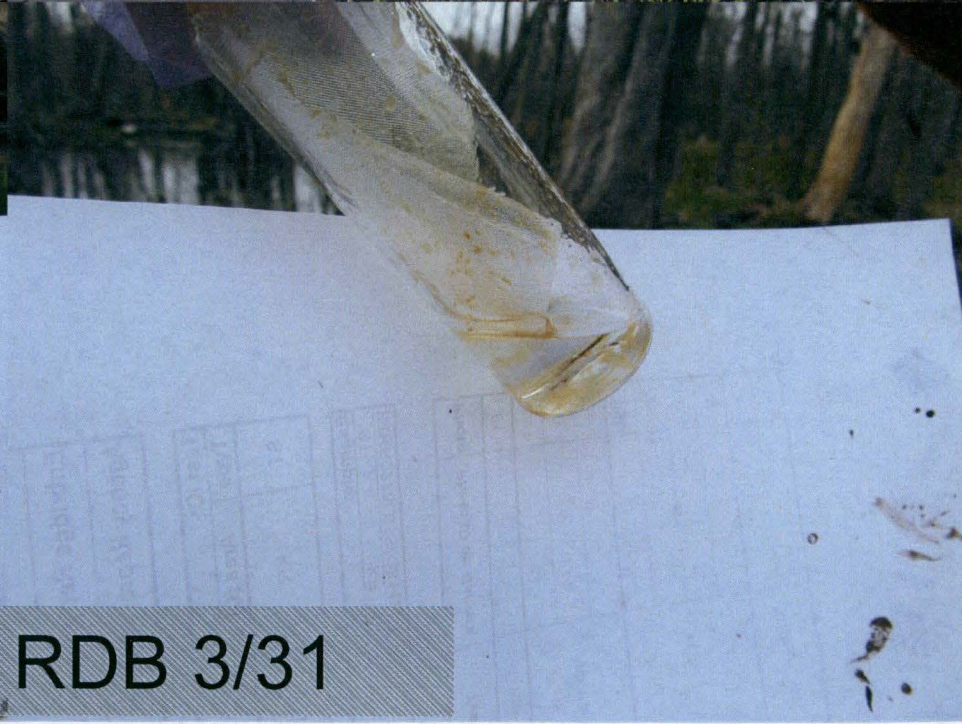
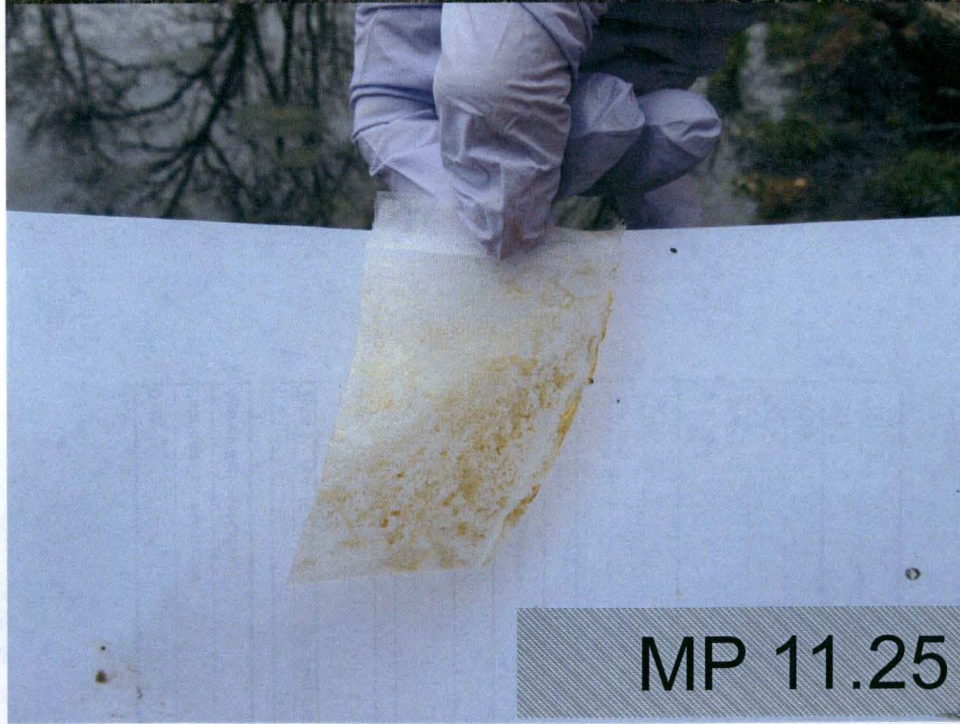
SO 26.25 3/29

Daily Progress Tracking

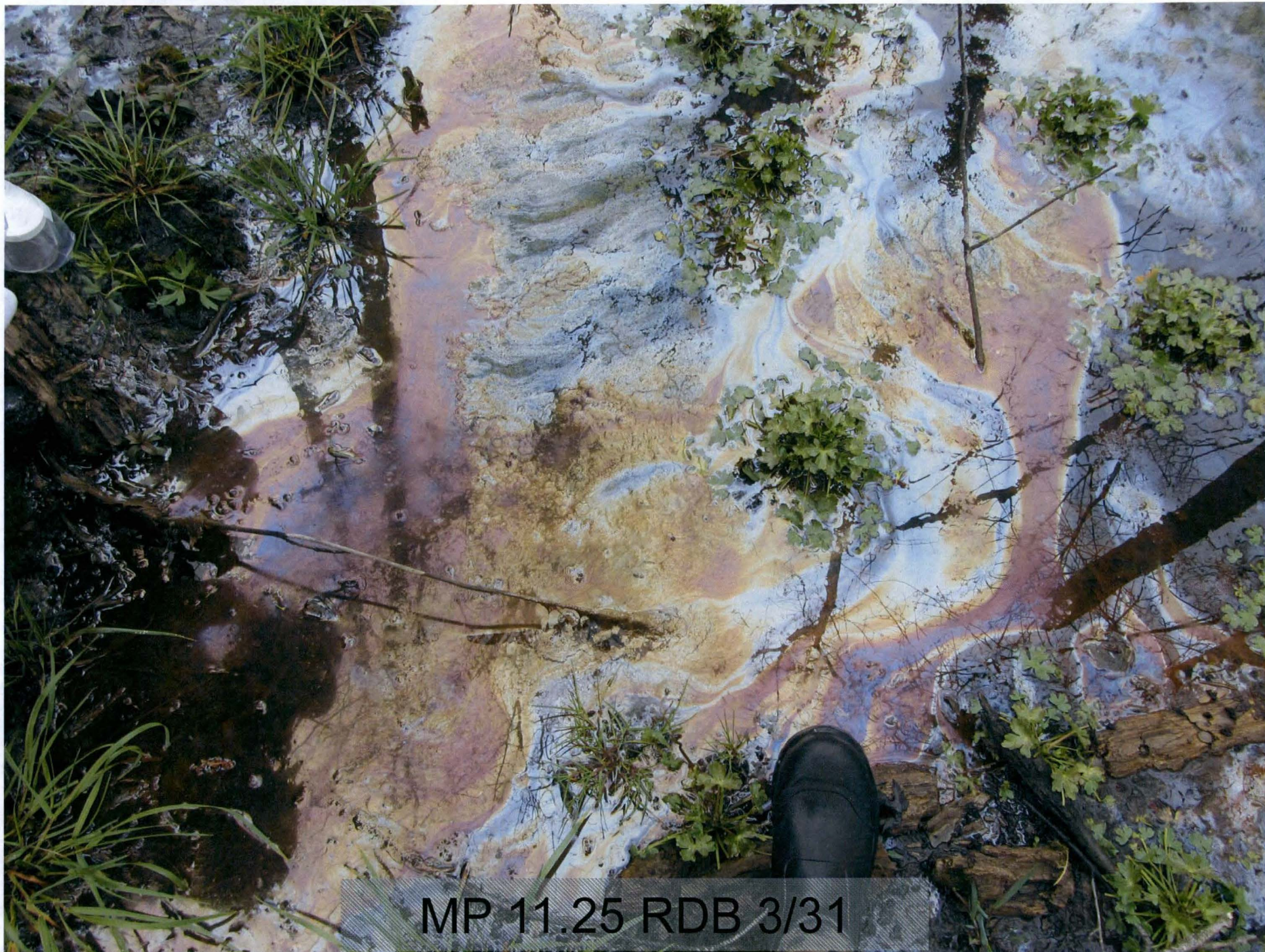
Personnel / Resources Deployed

	4/2/2012	4/1/2012
Talmadge Creek Remediation	0	0
Kalamazoo River Remediation	17	0
Containment	12	0
Submerged Oil	5	0
Overbank	48	1
Waste Management	7	0
Security & Flaggers	9	8
Operations Center	43	0
Comm. Centers	9	1
EPA	1	0
EPA Contractors	22	1
Other Agencies	1	0
DEQ	9	0
DEQ Contractors	6	0
TOTAL	189	11

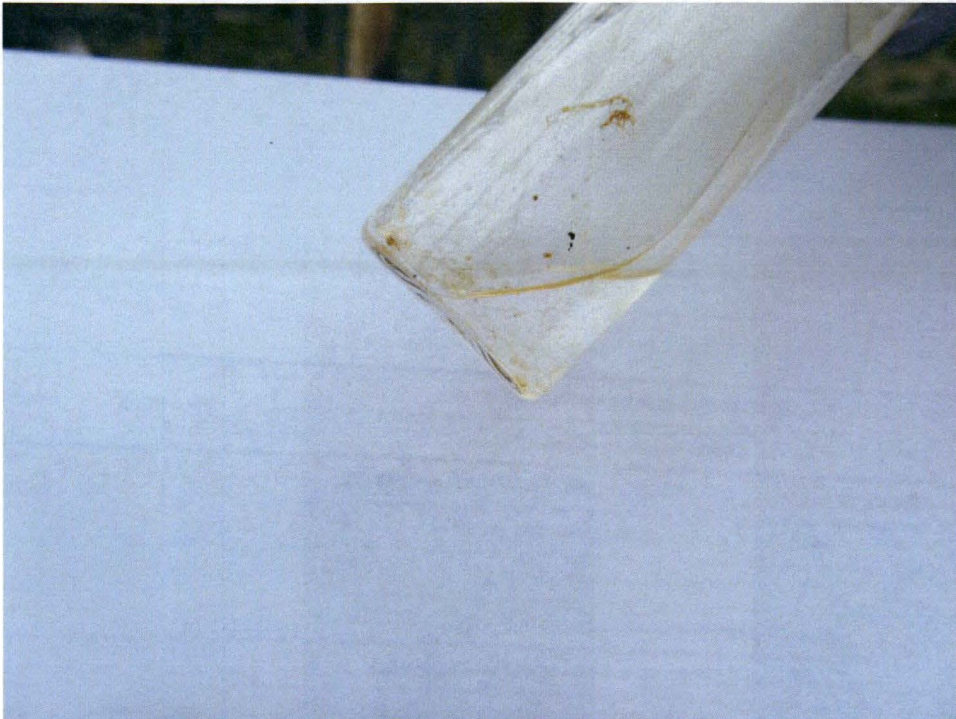
	4/2/2012	4/1/2012
Vac & Tanker Trucks	0 0	0 0
Frac Tanks	1 0	1 0
Boats**	22 0	0 0
Yellow Iron***	4 0	0 0
Roll-Off Boxes	9 0	9 0
Boom Locations	14	14
Boom in River (ft)	4,775 0	4,775 0



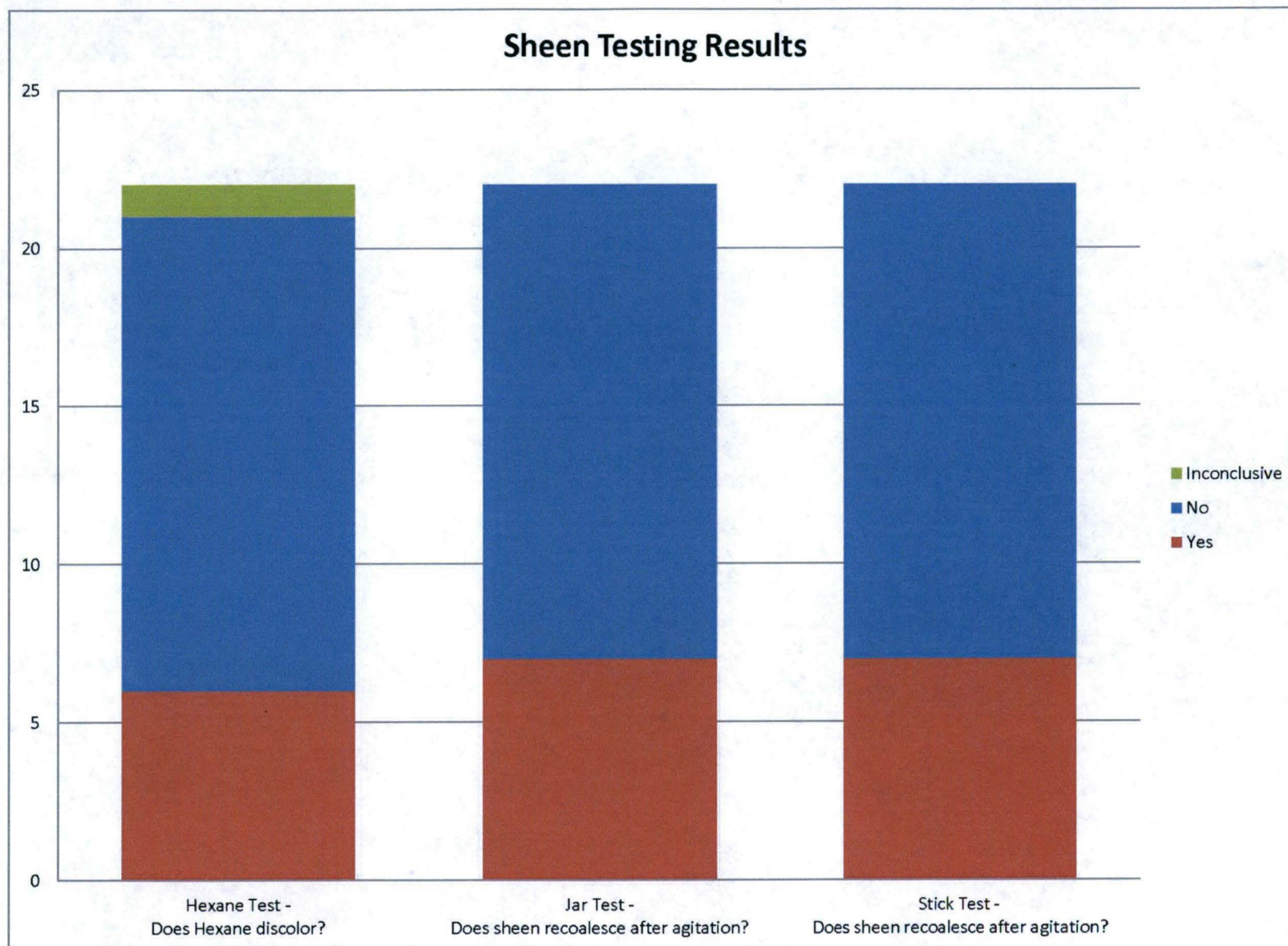
MP 11.25 RDB 3/31



MP 11.25 RDB 3/31



MP 11.25 RDB 3/31



Facility Sites



- 706 CY in cells
- 485 gal water
- 9 Roll offs

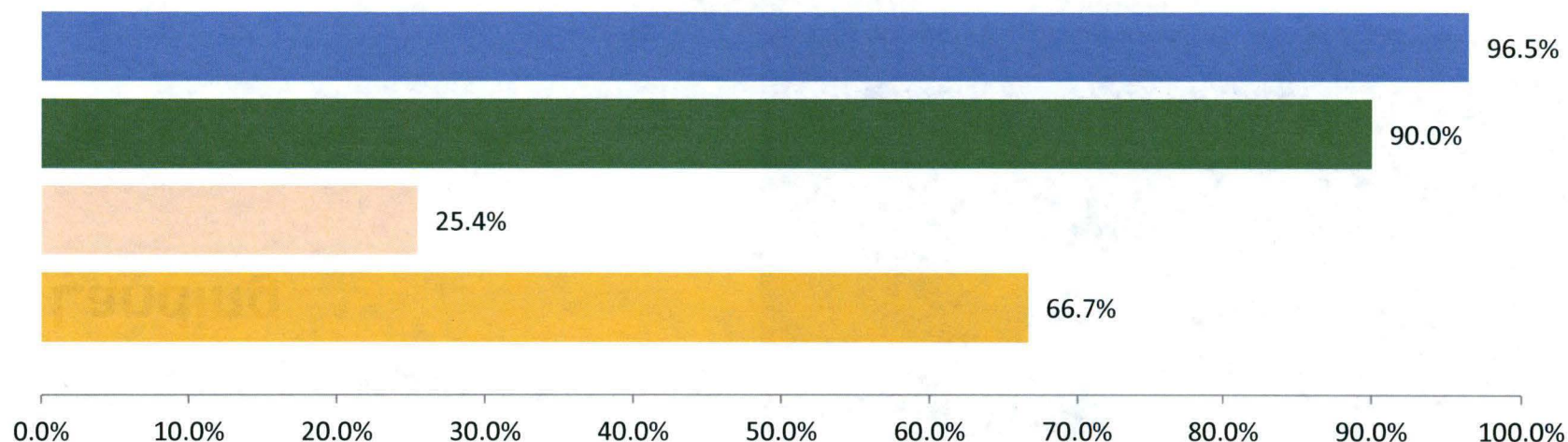
Significant Activities





- **SORT**
- **RI:**
 - MP 2.25 to Morrow Lake
- **River Reopening**
 - MP -2.7 to Saylor's Landing



Reassessment Progress

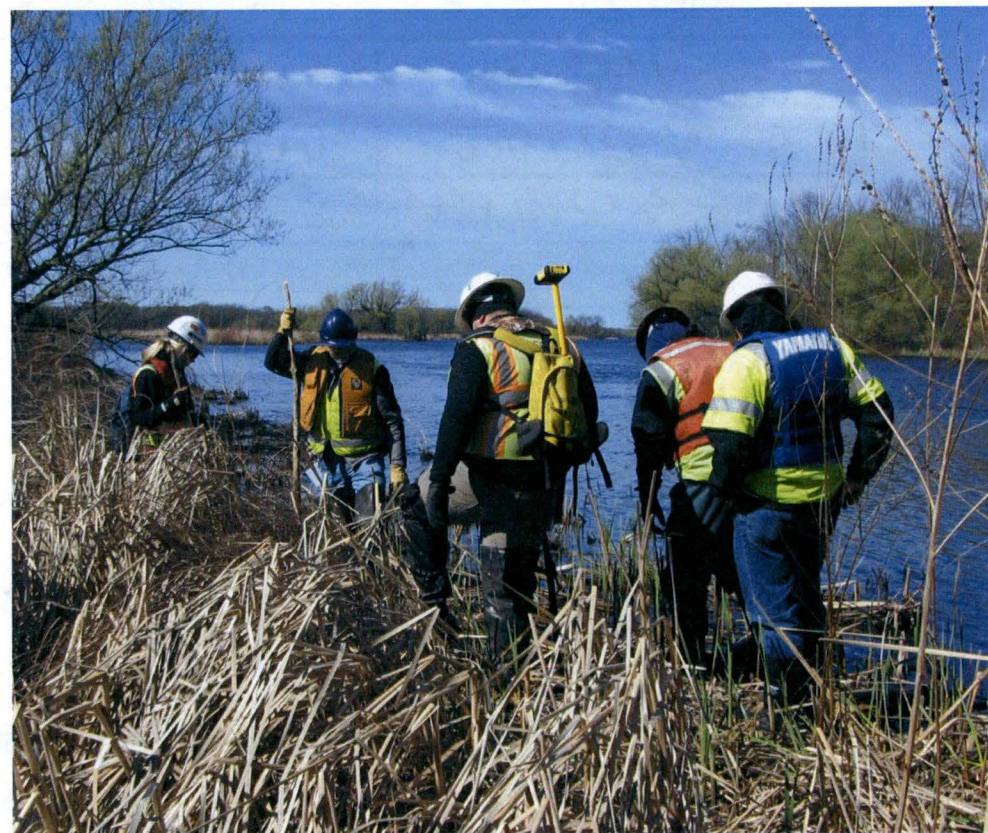
SORT



SORT PROGRESS 4/2/12			
	Assessment Complete	96.5%	411 / 426 locations
	Acreage Complete	90.0%	230 / 255 Acres
	Add'l Assessment Req'd	25.4%	65 / 255 Acres
	Schedule Elapsed	66.7%	8 / 12 days
Estimated Completion: April 6, 2012			

Significant Activities

- **SORT**
- **RI:**
 - **MP 2.25 to Morrow Lake**
- **River Reopening**
 - **MP -2.7 to Saylor's Landing**



Remediation Progress











Location

SCIENCE					COMPLIANCE				RECOVERY	MONITORING
RI Work Plan	Plan Review	Investigation	Data Compilation	Presentation to OSCAR	Remediation Work Plan	Remed. Plan Review	Permit Application	Permit Review	Execution	Completion Check

Comments

Kalamazoo River Remediation Branch

MP 2.25 to MP 3.14
MP 3.14 to MP 5.80
MP 5.80 to MP 11.00
MP 13.0
MP 11.00 to Morrow Lake

- denotes sites with status updates since the last report

 Enbridge / In development

 In Agency Review

 Denotes Due Date

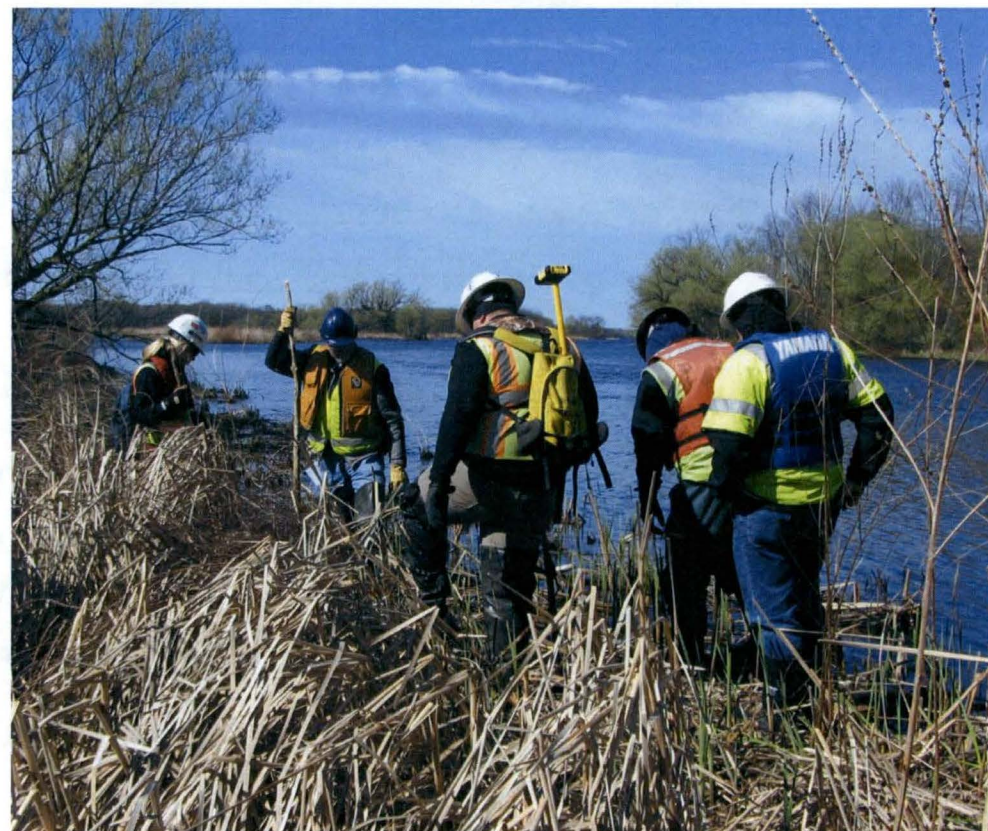
 Complete or N/A

 Revisit Previous Phase

All_Branch_Progress_04-02-2012.xlsm

Significant Activities

- SORT
- RI:
 - MP 2.25 to Morrow Lake
- River Reopening
 - MP -2.7 to Saylor's Landing



River Reopening Update

April 3, 2012



- Reopen the river in a manner that ensures the Health & Safety of the public & workers.

Objectives



1. Establish priority list for opening river segments - Complete
2. Evaluate the identified segments.
3. Communicate the plan with public and other stakeholders.

Kiosk Communications



- Map (Enbridge) – Complete
- Allowed Activities Sign (Enbridge) – Complete
- Contact With Oil (Enbridge) – Drafting copy
- Safety Message (Enbridge)– Edits from Enbridge Safety
- Fish Consumption Sign (MDCH) – Final Version From MDCH week of April 9
- Fish Consumption Brochure (MDCH) – Final Version From MDCH week of April 9
- Oil Sheen vs. Organic Sheen (MDCH) – Final Version From MDCH week of April 9

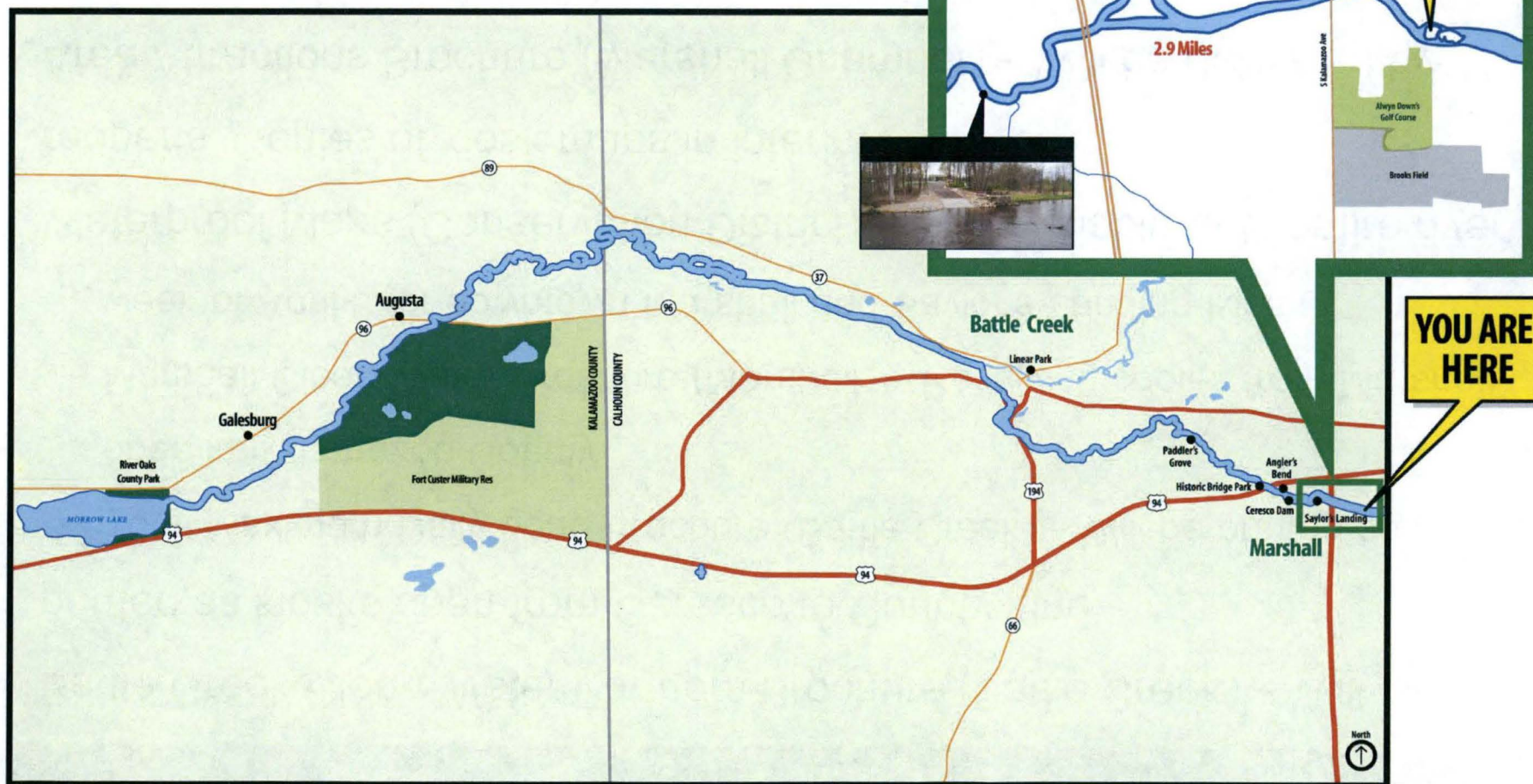
Kiosk Communications




- Battle Creek Clean Water Partners Brochure (Battle Creek) – Will be printed as kiosks open from Ceresco to County Line
 - Total Maximum Daily Load Brochure (Battle Creek) – Will be printed as kiosks open in Kalamazoo County
 - Marshall Clean Water Brochure (Marshall) – Receiving copies from Marshall week of April 9 for downtown Marshall and Saylor's Landing Kiosk
- Waterproof Maps (Conservation District) – Not available until entire river reopens. Copies of kiosk maps in interim
- Area Attractions Brochure (Marshall Chamber) – Will be delivered by Chamber week of April 9
- PFD/Boating Safety Brochure (DNR/Coast Guard) – Trying to secure copies

KALAMAZOO RIVER

Open Segments



Please respect private property, and only enter and exit the river from public access points.

 Green Square Identifies Open Segments - 2.9 Miles

0 1 2 4 Miles

WARNING

**River closed
ahead.
Must exit
at buoys.**



For more information, please call Enbridge at 1-800-306-6837.

- Permit Status

- MDEQ – Submitted 4/2/2012
- MDNR – Submitted 3/30/2012
- Kalamazoo County
 - Permit in hand, may modify with more efficient addendum,
 - Pending conference call with Kalamazoo County Health Department

- Segment Preparation

- Buoy Placement – 1 day
- Kiosk Filling – After April 9
- Personal Wash Stations – April 16

- Remedial Investigation
 - Coring
 - Analytical results
 - Above Part 201 Direct Contact Criteria
- Comparison with Background Samples
 - Coring
 - Analytical Results
 - Above Part 201 Direct Contact Criteria
- Impacts Limited to Private Property

- 2012 SORT Data
 - 3 Polygons
 - One Polygon Classified as Remaining Observations
 - (i.e. Stained Vegetation or Tar Patties)
- Limited to Private Property
- Submerged Oil Concerns
 - 2012 SubOil Reassessment

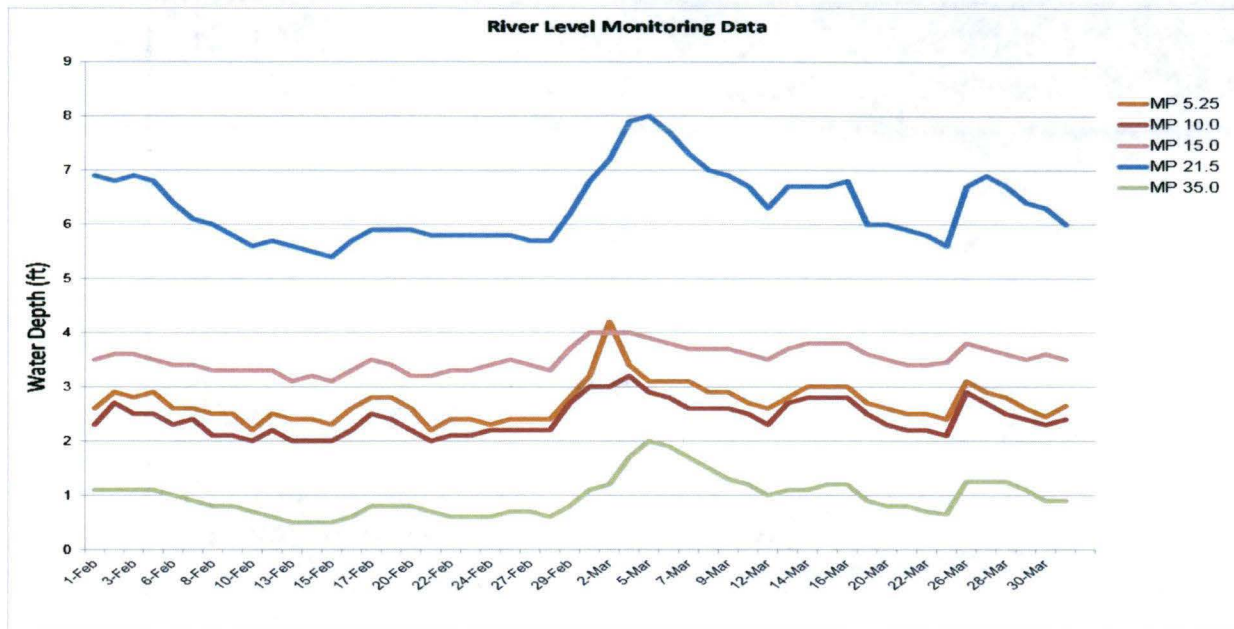
Monitoring and Security Update



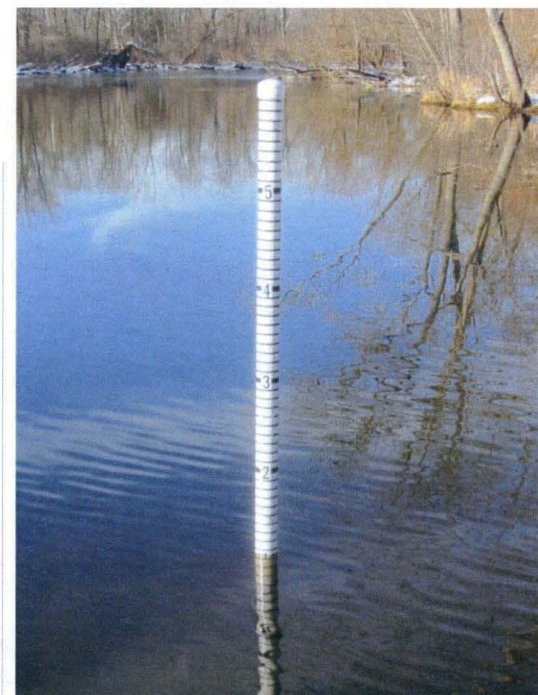
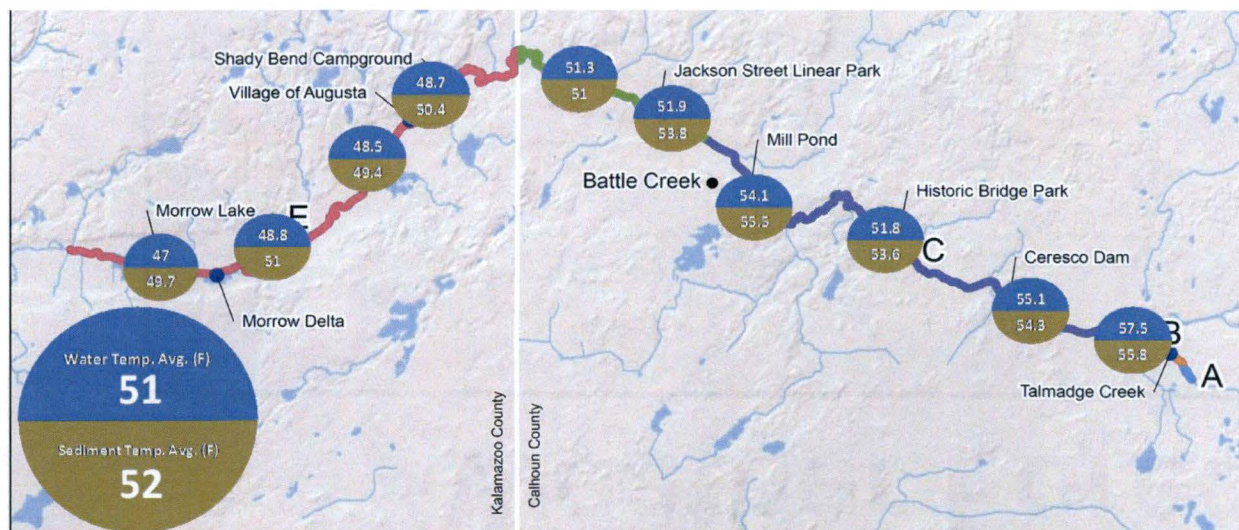
- Monitoring
 - ERO Tracking updated
 - Distribution list for incoming Enbridge hotline calls
 - Complete
- Security
 - Meeting with Calhoun and Kalamazoo County Sheriff Departments
 - Tentative: Thursday, April 12th
 - DK Training
 - Moved to April 11th
 - Training in Development
 - Security scheduled for first segment

- Discussion





Water Conditions



DISCHARGE RATES (cfs)		
	3/30	4/02
Marshall, MI	530	583
<i>Historical Median</i>	480	483
Battle Creek, MI	1115	1040
<i>Historical Median</i>	1020	1050



Weather Forecast

Tue 3	Wed 4	Thu 5	Fri 6
			
Scattered T-Storms	Mostly Sunny	Partly Cloudy	Mostly Sunny
66° High	62° High	52° High	60° High
37° Low	32° Low	31° Low	36° Low
Chance of Rain: 40%	Chance of Rain: 10%	Chance of Rain: 10%	Chance of Rain: 10%

Command & General Staff Updates for UC

Closing Remarks

- Enbridge
- DEQ
- US EPA